



NUS
CORPORATION

 A Halliburton Company

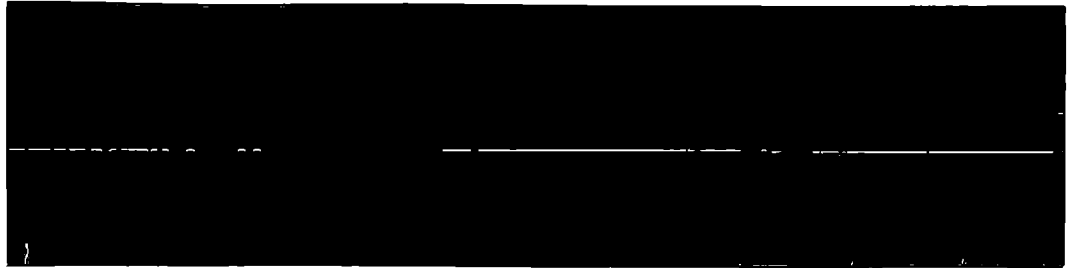
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ORIGINAL
(Red)



FIELD INVESTIGATION TEAM ACTIVITIES AT UNCONTROLLED HAZARDOUS SUBSTANCES FACILITIES — ZONE I

NUS CORPORATION
SUPERFUND DIVISION

ORIGINAL
(Red)

R-585-11-7-42

PRELIMINARY ASSESSMENT OF
SINCLAIR REFINERY
PREPARED UNDER

TDD NO. F3-8710-33
EPA NO. PA-1893
CONTRACT NO. 68-01-7346

FOR THE
HAZARDOUS SITE CONTROL DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY

JANUARY 5, 1989

NUS CORPORATION
SUPERFUND DIVISION

SUBMITTED BY

REVIEWED BY

APPROVED BY

Not responsive due to revised scope

GEOLOGIST

ASSISTANT MANAGER

REGIONAL OPERATIONS
MANAGER, FIT 3

ORIGINAL
(Red)

Scope of Work

NUS FIT 3 was tasked to perform a preliminary assessment on the Sinclair Oil Company Landfill (currently BP Oil Company) located in Trainer Borough, Delaware County, Pennsylvania.

Summary

The Sinclair Oil Company (currently BP Oil Company) is located on Post Road in Trainer, Delaware County, Pennsylvania. The area of concern is a seven-acre area in the northeastern corner of the property. The fill area was used from the early 1960s until the early 1970s. The exact dates of operation are unknown. The site was operated under Pennsylvania Solid Waste Permit No. 3000186, which allowed for the disposal of waste paper, ash, old hoses, and demolition debris. Upon the site's closure, a two-foot cap was placed over the site, according to Pennsylvania Department of Environmental Resources (PA DER) file information. The on-site inspection of the landfill showed no signs of leachate or waste disposal. Also located on site was an incinerator that was used to burn only the paper and cardboard generated by the Sinclair Oil Company offices. The ash, for which disposal was permitted, came from this incinerator. PA DER file information also indicates that there was no hazardous waste disposed on site.

During the site visit, the FIT inspected the landfill area and the incinerator site. The incinerator was located in the central portion of the property in an area approximately two acres in size. There is currently nothing on this two-acre parcel of land and there are no signs of ash or waste disposal. Currently, the site is an open field located across from the facility's offices.

Site Layout

The landfill area is located on the northeastern border of the BP Oil Company property. The site is bordered on the south by the Delaware River and to the east by a tidal marsh area. To the west is a tank farm area, and to the south is an open property area that belongs to BP Oil Company.

Site Use History

The landfill used by the Sinclair Oil Company was closed in January 1972. No information is currently available on when the landfiling operations began. According to information obtained from PA DER files, only waste paper ash, old hoses, and demolition debris were disposed in this landfill. No hazardous wastes were disposed on site.

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ATTACHMENT 1

ORIGINAL
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F3-8710-33

**POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT****I. IDENTIFICATION**01 STATE 02 SITE NUMBER
PA 1893**II. SITE NAME AND LOCATION**

01 SITE NAME (Legal, common, or descriptive name of site) Sinclair Oil Refinery		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER Post Road			
03 CITY Trainer	04 STATE PA	05 ZIP CODE 19061	06 COUNTY Delaware	07 COUNTY CODE 045	08 CONG DIST PA07
09 COORDINATES LATITUDE 39 49 09		LONGITUDE 075 23 57 4			

10 DIRECTIONS TO SITE (Starting from nearest public road)

Take Route 322 to the junction of Route 13 make a right (south) follow 13 south to Trainer where 13 becomes Post Road Follow Post Road approximately 0.50 mile to the entrance to the plant on the left.

III. RESPONSIBLE PARTIES

01 OWNER (If known) British Petroleum Oil Company		02 STREET (Business, mailing, residential) P.O. Box 428			
03 CITY Marcus Hook	04 STATE PA	05 ZIP CODE 19106	06 TELEPHONE NUMBER (215) 499-7000		
07 OPERATOR (If known and different from owner)		08 STREET (Business, mailing, residential)			
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER ()		
13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN					

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED: _____ MONTH DAY YEAR ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: _____ MONTH DAY YEAR ☒ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE 11 / 25 / 87 <input type="checkbox"/> NO		BY (Check all that apply) <input type="checkbox"/> A. EPA <input checked="" type="checkbox"/> B. EPA CONTRACTOR <input type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): NUS Corporation			
02 SITE STATUS (Check one) <input type="checkbox"/> A. ACTIVE <input checked="" type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION BEGINNING YEAR 1972 ENDING YEAR 1972 <input type="checkbox"/> UNKNOWN			

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

The old 7 acre landfill was used for the disposal of wastepaper ash from the on-site incinerator, old hoses, and demolition debris.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

The potential for hazard has been remediated by capping with two feet of cover under the direction of the Pennsylvania Department of Environmental Resources in 1972.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)			
<input type="checkbox"/> A. HIGH (Inspection required promptly)	<input type="checkbox"/> B. MEDIUM (Inspection required)	<input type="checkbox"/> C. LOW (Inspect on time available basis)	<input checked="" type="checkbox"/> D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT Paul Racette		02 OF (Agency/Organization) U.S. Environmental Protection Agency		03 TELEPHONE NUMBER (215) 597-1073	
04 PERSON RESPONSIBLE FOR ASSESSMENT Not responsive due to revised scope	05 AGENCY EPA	06 ORGANIZATION NUS FIT 3	07 TELEPHONE NUMBER Not Responsive based on Revised Scope	08 DATE 11 / 25 / 87 MONTH DAY YEAR	

ORIGINAL

1. IDENTIFICATION

01 STATE	02 SITE NUMBER
PA	1893

01 PHYSICAL STATES (Check all that apply)

☒ A. SOLID ☐ E. SLURRY
☐ B. POWDER, FINES ☐ F. LIQUID
☐ C. SLUDGE ☐ G. GAS
☐ D. OTHER _____ (Specify)

02 WASTE QUANTITY AT SITE
(Measures of waste quantities must be independent)
TONS Unknown
CUBIC YARDS Unknown
NO. OF DRUMS Unknown

03 WASTE CHARACTERISTICS (Check all that apply)

☐ A. TOXIC ☐ E. SOLUBLE ☐ I. HIGHLY VOLATILE
☐ B. CORROSIVE ☐ F. INFECTIOUS ☐ J. EXPLOSIVE
☐ C. RADIOACTIVE ☐ G. FLAMMABLE ☐ K. REACTIVE
☐ D. PERSISTENT ☐ H. IGNITABLE ☐ L. INCOMPATIBLE
 ☒ M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE	N/A	N/A	There were no known hazardous wastes which were disposed of in the fill area.
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

[illegible]

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS	N/A	N/A	FDS	N/A	N/A
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Correspondence Bruce Bietler Pennsylvania Department of Environmental Resources with Beverly Derk Bureau of Land Reclamation november 24,1972

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POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE PA 02 SITE NUMBER 1893

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

The potential exists for groundwater contamination because the fill is unlined, however the fill has been capped

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

Due to the close proximity to the Delaware River and the fact that the site was unlined the potential exists for surface water contamination; however, the fill has been capped.

01 ☐ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

None reported or observed

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

None reported or observed

01 ☐ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

None reported or observed.

01 ☐ F. CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: _____ (Acres) 04 NARRATIVE DESCRIPTION

None noted or observed

01 ☐ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

There are no known groundwater wells within the three mile study area nor are there any surface water intakes on the Delaware River within three miles.

01 ☐ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

None reported or observed

01 ☐ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

None reported or observed

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(3-4)

F3-8710-33

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
PA 1993

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION02 ☐ OBSERVED (DATE: _____)☐ POTENTIAL☐ ALLEGED

None reported or observed

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include name(s) of species)02 ☐ OBSERVED (DATE: _____)☐ POTENTIAL☐ ALLEGED

None reported or observed

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION02 ☐ OBSERVED (DATE: _____)☐ POTENTIAL☐ ALLEGED

None reported or observed

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES
(Spills, runoff, standing liquids, leaking drums)02 ☐ OBSERVED (DATE: _____)☒ POTENTIAL☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

The landfill area was not lined and there are no runoff diversion ditches. Due to the proximity to the River, there could be a potential for unstable containment.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION02 ☐ OBSERVED (DATE: _____)☐ POTENTIAL☐ ALLEGED

None reported or observed

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 02 ☐ OBSERVED (DATE: _____)☐ POTENTIAL☐ ALLEGED

04 NARRATIVE DESCRIPTION

None reported or observed

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION02 ☐ OBSERVED (DATE: _____)☐ POTENTIAL☐ ALLEGED

None reported or observed

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

N/A

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

N/A

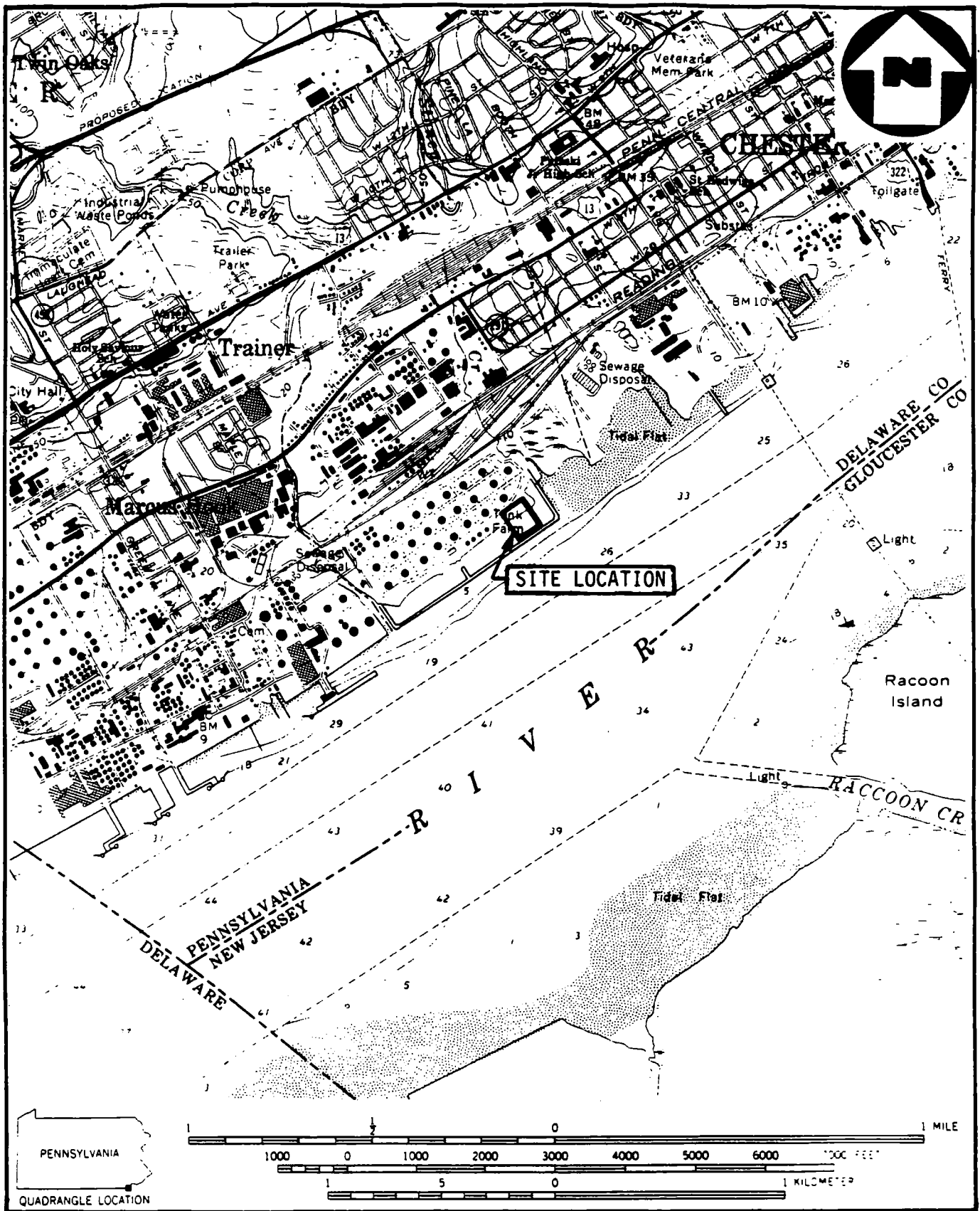
V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

NUS Site Visit 11/25/87

Correspondence between Bruce Beitler and Beverly Derk 11/24/71

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ATTACHMENT 2

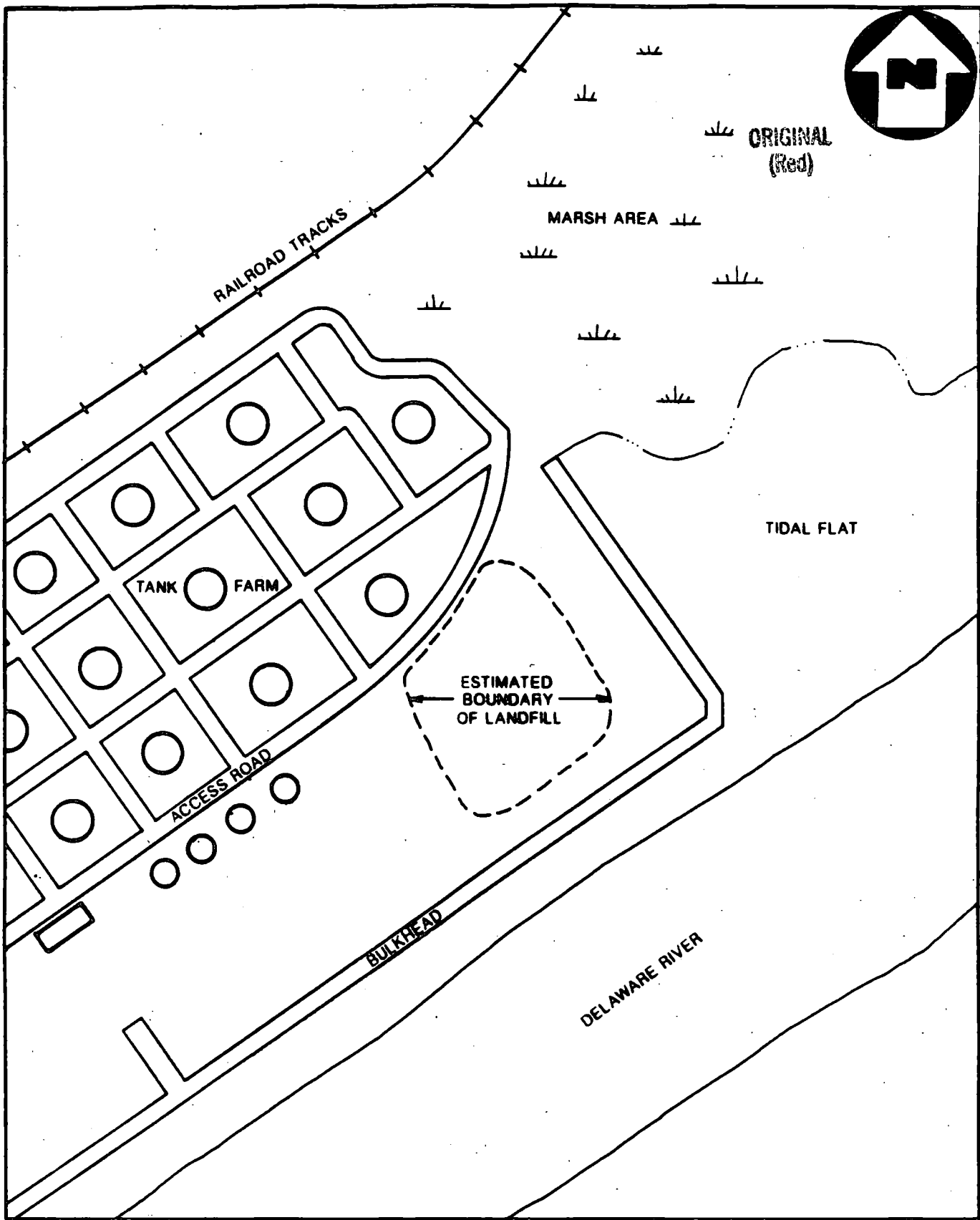


SOURCE: (7.5 MINUTE SERIES) U.S.G.S MARCUS HOOK, PA.-N.J.-DEL. QUAD.

SITE LOCATION MAP
SINCLAIR REFINING, TRAINER, PA.
 SCALE 1:24000

FIGURE





SITE SKETCH
SINCLAIR REFINING, TRAINER, PA.
(NO SCALE)

FIGURE 2

